From the INTERNATIONAL BUREAU

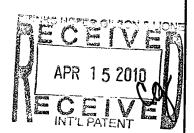
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NOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
PRELIMINARY REPORT ON PATENTABILITY
(CHAPTER I OF THE PATENT COOPERATION
TREATY)

(PCT Rule 44bis.1(c))

To:

GNOFFO, Vincent, J. Brinks Hofer Gilson & Lione P.o. Box 10087 Chicago, IL 60610 ETATS-UNIS D'AMERIQUE



Date of mailing (day/month/year)
25 March 2010 (25.03.2010)

Applicant's or agent's file reference 4672-698

PCT/US2008/075974

International application No.

International filing date (day/month/year)
11 September 2008 (11.09.2008)

Priority date (day/month/year)
13 September 2007 (13.09.2007)

IMPORTANT NOTICE

Applicant

CHICAGO MERCANTILE EXCHANGE, INC. et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Simin Baharlou

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

| Applicant's or agent's file reference 4672-698 | FOR FURTHER ACTION | See item 4 below |
|--|---|---|
| International application No. PCT/US2008/075974 | International filing date (day/month/year) 11 September 2008 (11.09.2008) | Priority date (day/month/year) 13 September 2007 (13.09.2007) |
| International Patent Classification (8th See relevant information in Form F | h edition unless older edition indicated) PCT/ISA/237 | |
| Applicant CHICAGO MERCANTILE EXCHA | NGE, INC. | |

| This international preliminary re International Searching Authorit | eport on patentability (Chapte ty under Rule 44 <i>bis</i> .1(a). | er I) is issued by the International Bureau on behalf of the |
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| In the attached sheets, any refere | ence to the written opinion of | the International Searching Authority should be read as a reference |
| to the international preliminary i | eport on patentability (Chap | ter I) instead. |
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| Box No. III | • | nion with regard to novelty, inventive step and industrial |
| Box No. IV | Lack of unity of invention | ı |
| Box No. V | Reasoned statement under applicability; citations and | Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement |
| Box No. VI | Certain documents cited | |
| Box No. VII | Certain defects in the inter | rnational application |
| Box No. VIII | Certain observations on th | e international application |
| The International Bureau will connot, except where the applicant mate (Rule 44bis .2). | nmunicate this report to desi takes an express request und | gnated Offices in accordance with Rules 44 <i>bis.</i> 3(c) and 93 <i>bis.</i> 1 but er Article 23(2), before the expiration of 30 months from the priority |
| | | |
| | | Date of issuance of this report 16 March 2010 (16.03.2010) |
| The International Bureau of WIPO 34, chemin des Colombettes | | Authorized officer Simin Baharlou |
| le No. +41 22 338 82 70 | | e-mail: pt09.pct@wipo.int |
| | This REPORT consists of a total In the attached sheets, any refere to the international preliminary reserved. This report contains indications: Box No. I Box No. II Box No. III Box No. VI Box No. VI Box No. VII Box No. VII Contains indications: Box No. III Box No. III Box No. III Box No. VII Box No. VII Contains indications: Box No. III Box No. III Box No. III Box No. VII Box No. VIII The International Bureau will contain the capplicant mandate (Rule 44bis .2). The International Bureau indicational Bureau indicate (Rule 44bis .2). | Box No. II Priority Box No. III Non-establishment of opin applicability Box No. IV Lack of unity of invention with applicability; citations and applicability; citations and applicability; citations and Box No. VII Certain documents cited Box No. VII Certain defects in the interport of the interport of the interport, except where the applicant makes an express request undefined, except where the applicant makes an express request undefined (Rule 44bis .2). The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland e No. +41 22 338 82 70 |

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

| From the ' INTERNATIONAL SEARCHING AUTHORITY | | | | | |
|--|---|---|--|--|--|
| To: VINCENT J. GNOFFO BRINKS HOFER GILSON & LIONE P.O. BOX 10087 CHICAGO, IL 60610 | PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY | | | | |
| - · · · · · · · · · · · · · · · · · · · | MILLONAL | | | | |
| · | | (PCT Rule 43bis.1) | | | |
| | Date of mailing (day/month/year) | 21 NOV 2008 | | | |
| Applicant's or agent's file reference 4672-698 | FOR FURTHER ACTION See paragraph 2 below | | | | |
| International application No. International filing date | (day/month/year) | Priority date (day/month/year) | | | |
| PCT/US 08/75974 11 September 200 | 8 (11.09.2008) | 13 September 2007 (13.09.2007) | | | |
| International Patent Classification (IPC) or both national classificat | ation and IPC | | | | |
| Applicant CHICAGO MERCANTILE EXCHANGE, INC | C . | | | | |
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| This opinion contains indications relating to the following ite | ms: | | | | |
| Box No. I Basis of the opinion | | • | | | |
| Box No. II Priority | | | | | |
| Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability | | | | | |
| Box No. IV Lack of unity of invention | | | | | |
| Box No. V Reasoned statement under Rule 43bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement | | | | | |
| Box No. VI Certain documents cited | | | | | |
| Box No. VII Certain defects in the international application | | | | | |
| Box No. VIII Certain observations on the international application | | | | | |
| DOX 140. VIII Certain observations on the international appreciation | | | | | |
| 2. FURTHER ACTION | | | | | |
| If a demand for international preliminary examination is m International Preliminary Examining Authority ("IPEA") exc other than this one to be the IPEA and the chosen IPEA has opinions of this International Searching Authority will not be | ept that this does not ap notified the Internation | ply where the applicant chooses an Authority | | | |
| If this opinion is, as provided above, considered to be a writte a written reply together, where appropriate, with amendments PCT/ISA/220 or before the expiration of 22 months from the | before the expiration | of 3 months from the date of mailing of Form | | | |
| PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. | | | | | |
| 3. For further details, see notes to Form PCT/ISA/220. | | | | | |
| Name and mailing address of the ISA/US Date of completion of | this opinion | Authorized officer: | | | |
| Mail Stop PCT, Attn: ISA/US | • | Lee W. Young | | | |
| Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201 | 20 (12.11.2000) | PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774 | | | |

Form PCT/ISA/237 (cover sheet) (April 2007)

PCT/US2008/075974 21.11.2008

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US 08/75974

| 1. With regard to the language, this opinion has been established on the basis of: the international application in the language in which it was filed. a translation of the international application into which is the language of a |
|--|
| the international application in the language in which it was filed. a translation of the international application into which is the language of a |
| |
| translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)). |
| This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a)) |
| 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of: |
| a. type of material |
| a sequence listing |
| table(s) related to the sequence listing |
| |
| b. format of material on paper |
| in electronic form |
| |
| c. time of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search |
| In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. |
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| 5. Additional comments: |
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US 08/75974

| Box No. V Reasoned statement under Ru citations and explanations sup | | | is.1(a)(i) with regard to novelty, inven g such statement | tive step or industrial applicability |
|--|--------|--------|--|---------------------------------------|
| 1. Statement | | | | |
| Novelty (N) | | Claims | None | YES |
| | • | Claims | 1-22 | . NO |
| Inventive step (IS) | | Claims | None | YES |
| , | Claims | 1-22 | NO NO | |
| Industrial applicability (IA) | | Claims | 1-22 | YES |
| | Claims | None | NO | |

Citations and explanations:

Claims 1-22 lack novelty under PCT Article 33(2) as being anticipated by US 2005/0283423 A1 to Moser et al. (hereinafter 'Moser').

As per claim 1, Moser discloses stop-loss system that mitigates the effects of a market spike caused by the triggering of conditional orders for products within a trading unit comprising:

an evaluation logic that monitors orders submitted to an automated trading engine in an automated matching system, the evaluation logic configured to compare an execution price of a conditional order to a predetermined price range (para[0013]);

a delay logic that delays a matching of the orders submitted to the automated trading engine when a price of a transaction lies outside of the predetermined price range (para[0014]);

a pricing logic that derives an opening price to be used by the automated trading engine (para[0015]);

a timing logic that measures a time interval used to delay a matching of the orders until the opening price is within a second predetermined price range (para[0016]); and

a verification logic that verifies that legs of an implied order are not in reserve, the verification logic configured to delay a matching of implied orders until all legs of the implied order are verified as not in reserve (para[0026]).

As per claim 2, Moser further discloses wherein the predetermined price range is based on a no-bust range (para[0027]).

As per claim 3, Moser further discloses wherein the predetermined price ranges comprise a varying price range and the time interval comprises a varying time interval, the varying price range and the varying time interval based on a time of day and a market volatility (para[0028]).

As per claim 4, Moser further discloses wherein the second predetermined price range comprises a multiple of a no-bust range (para[0029]).

As per claim 5, Moser further discloses wherein the opening price comprises an equilibrium price that falls substantially between the prices of the pending bids and the prices of the pending offers (para[0030]).

As per claim 6, Moser further discloses wherein the timing logic delays a matching of the orders until the opening price is within a second predetermined price range or a period of time lapses (para[0031]).

As per claim 7, Moser further discloses a matching system coupled to the evaluation logic, the matching system comprising one or more matching systems selected from the group comprising a first in, first out system, an allocation system, and a hybrid of a price and time priority (para[0013]).

As per claim 8, Moser further discloses wherein the time interval varies with a product (para[0014]).

As per claim 9, Moser further discloses wherein the legs of the implied order comprise orders for related products within the trading unit (para[0015]).

As per claim 10, Moser further discloses wherein the conditional order comprises a stop order (para[0016]).

As per claim 11, Moser discloses a system that mitigates the effects of rises or falls in market prices caused by the execution of a conditional order for products within a trading unit comprising: an order book manager that receives orders (para[0026]);

an order processor that compares an execution price of the conditional order to a predetermined price threshold (para[0032]); a spike control processor that delays the matching of orders received by the order book manager when an execution price of the conditional order lies outside of the predetermined price threshold, the spike control processor compares an indicative opening price to the predetermined price threshold (para[0032]):

predetermined price threshold (para[0032]); an open market processor that opens a market when the indicative opening price lies within the predetermined price threshold (para[0032]); and

an open implied market processor that opens an implied order market when all products within the trading unit are not in reserve (para[0032]).

-Continued (See Supplemental Box)-

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US 08/75974

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box No.V.2. Citations and explanations:

As per claim 12, Moser further discloses wherein the open market processor is configured to open the market to trading when the indicative opening price lies within the predetermined price threshold, a timed period lapses, or a manual intervention occurs (para[0032]).

As per claim 13, Moser further discloses a memory configured to retain a time parameter used to determine a maximum period of time that a matching of implied orders may be reserved (para[0032]).

As per claim 14, Moser further discloses wherein the order processor is configured to compare an execution price of the conditional order to the predetermined price threshold in real time (para[0032]).

As per claim 15, Moser further discloses wherein all products within the trading unit are not in reserve when the spike control processor no longer delays the matching of orders for products within the trading unit (para[0027]).

As per claim 16, Moser discloses a method of mitigating the effect of a market spike caused by the triggering of conditional orders for products within a trading unit, comprising:

monitoring orders submitted to an automated trading engine in an automated matching system (para[0028]);

comparing the price of a conditional order to a predetermined price range (para[0029]);

delaying a matching of orders submitted to the automated trading engine when an execution price of the conditional order lies outside of the predetermined price range (para[0030]);

deriving an opening price to be used by the automated trading engine (para[0031]); delaying a matching of the orders until the opening price lies within a second predetermined price range or a time period lapses (para[0013]);

verifying that legs of an implied order are not in reserve (para[0014]); and

delaying a matching of implied orders until all legs of the implied order are verified as not in reserve (para[0015]).

As per claim 17, Moser further discloses delaying the matching of the orders until the opening price lies within the second predetermined price range, the time period lapses, or a manual intervention occurs (para[0016]).

As per claim 18, Moser further discloses wherein the predetermined price range is based on a no-bust range and the second predetermined price range comprises a multiple of a no-bust range (para[0026]).

As per claim 19, Moser further discloses wherein the predetermined price range comprises a varying price range that changes with a time of day or a market volatility (para[0027]).

As per claim 20, Moser further discloses wherein the opening price comprises an equilibrium price that falls substantially between the prices of the pending bids and the prices of the pending offers (para[0028]).

As per claim 21, Moser further discloses wherein the opening price is derived to fall substantially within an overlap of pending bid and offer prices (para[0029]).

As per claim 22, Moser further discloses wherein the conditional order comprises a stop order (para[0030].

Claims 1-22 have industrial applicability as defined by PCT Article 33(4) because the subject matter can be made or used in industry.